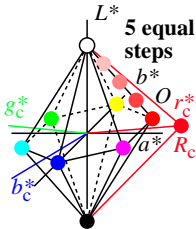


## 6 Elementary (e) colours $rgb_d^* = rgb^*$ in CIELAB: RJGB and NW

Hexagon-triangle system based on device (d) colours:  $rgb_d^* = olv^*$   
 with **linear relations** between  $rgb_d^* - LCH^*$ , and  $rgb_e^* - LCH^*$   
 (compare linear relations between  $rgb_{sRGB}$  and  $L^*$ )



Equations  $rgb_d^* - LCH^*$  in both directions have been published, see:  
*Richter, CIE-Proceedings, Beijing, 2008, Volume 3 und DIN 33872-1*

Three equations (tables) are needed for office applications:

$rgb_d - LCH^*$

$rgb_e^* - LCH^*$

$rgb'^*_e - LCH^*$

output a 9x9x9 grid of equally spaced  $rgb_d$ -input data

a 9x9x9 grid of equally spaced data  $rgb_e^*$  and  $LCH^*$

**Device output linearisation by  $rgb_d \rightarrow rgb'^*_e$**